

CiralightSmartSkylights uses sun tracking GPS technology and mirrors under the dome to track the sun throughout the day to bring high levels of diffused natural light into buildings. Smart Skylights are entirely solar powered (no electrical hookup necessary) and allow businesses and schools to shut off electric lights for up to 10.5 hours a day. Designed with two thermal barriers Smart Skylights provide the light of an 800 watt metal halide bulb but without the heat gain of normal skylights.

CiralightSmartSkylightAdvantages

- x More light when the sun is low in the sky.
- x Abundant Daylight level throughout the day allow lights off for longer hours of the day.
- x Provides a higher level of illumination that is evenly distributed and diffused.
- x Without the heat gain associated with passive skylights.
- x Better color rendition, absence of flicker.
- x Natural light provides a more productive work environment.
- x Less absenteeism in work place.
- x Improved student performance.
- x Increased sales in retail environments.
- x Reduces operating expenses.
- x LEED Certification – CiralightSmartSkylights earn valuable LEED Credits.
- x Solar powered active daylighting – entitles users to tax and green energy incentives.
- x Provides a bright, abundant, quiet, healthy natural light, just as nature intended for up to 10.5 hours a day.

The Intelligent Choice!

Eco-\$mart, Inc

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SmartSkylights– TestedTough Durable& Powerful

- x Lifecycletested up to 30 yearsunder extremeenvironmentalconditions(r20 degreeesto +200 degrees).
- x Windtested up to 105 milesper hour.
- x RainTestedup to 4 inchesof rain per hour with winds of 70mph.
- x FallProtectionup to 1200lbs droppedfrom 6 feet.
- x Temperaturechange doesnot result in the heatgainassociatedwith normalskylights.
- x Illuminationprovidesup to 64,000lumens, equivalentlight of an 800 watt metal halide.
- x TenYearManufacturer’sWarranty– set them andforget them!

SmartSkylightCostSavings& Benefits

- x Saveon energycostby shuttingof electriclightsduring daytimehoursup to 10.5hours a day.A well designeddaylit buildingis estimatedto reducelighteningenergyusefrom 50%to asmuchas80%.
- x Saveon Air Conditioningcoststo offset heat createdby electriclight fixtureswith reducedusage.
- x Saveon repair costsassociatedwith the maintenanceof electriclight systemswith reducedusage.
- x Reduceenergyuseduring peakhours.
- x Asa solarpoweredGreenEnergyproduct receiveFederal,State& LocalTaxcredits& Utility Companyincentives.

SkylightComparative				
Product	VLT	SHGC	U Value	Technology
CiralightSmartSkylights	.91	.3196	.35	Active
SunOptics(a)	.65	.49	.82	Passive
SolarTube(b)	Not Rated	.34	.43	Passive
Normal Skylights(Avg.)(c)	.63	.55	.76	Passive

Visible Light Transmittance (VLT) measures how much light comes through a product. The higher the VLT, the more light is transmitted.

Solar Heat Gain Coefficient (SHGC) measures how well a product blocks heat caused by sunlight. The lower a skylight's solar heat gain coefficient, the less solar heat it transmits in the building.

U-Value measures how well a product prevents heat from escaping. The lower the U-value, the greater a skylight's resistance to heat flow and the better its insulating value.

Notes: a) Source: Sunoptics 800MD Product Brochure, b) Source: National Fenestration Rating Council website, c) Source: National Fenestration Rating Council Website.

Improved visibility due to higher illumination levels.

Improved visibility due to improved light quality

Better light for longer hours

Reduced energy costs

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